

Department of Water and Power the City of Los Angeles



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October 4, 1984

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COMMITTEE MEMBERS:

GROUND WATER QUALITY MANAGEMENT PLAN
SAN FERNANDO VALLEY BASIN (GWQMP-SFVB)

Enclosed are the minutes of the sixth meeting of the Interagency Coordinating Committee held on September 18, 1984. The next meeting date is scheduled for November 20, 1984 at 9:30 in Room 1547 in the Department of Water and Power's General Office Building.

Sincerely,

Laurent McReynolds

LAURENT McREYNOLDS
Engineer in Charge
Water Quality Division

Enclosure

cc: D. L. Georgeson
R. McCoy
L. Lund
W. W. Hoye

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Interagency Coordinating Committee
Minutes of Meeting No. 6
September 18, 1984

Groundwater Quality Management Plan
San Fernando Valley Basin (GWQMP-SFVB)

The sixth meeting of the Interagency Coordinating Committee was held on Tuesday, September 18, 1984 in Room 1547 of the Los Angeles Department of Water and Power's General Office Building. The meeting was called to order at 9:30 A.M. by Chairman, Laurent McReynolds. An attendance list is attached (Attachment 1). The minutes of the July 24, 1984 meeting were approved without comments. Reports were heard from each chairperson of the eight ICC subcommittees and summarized below.

Public Educations - Miriam Gensemer

The Public Education Program has thus far directed its emphasis on educating the commercial/industrial group on the safe handling and disposal of hazardous waste materials. The Department of Water and Power (DWP) has developed a slide presentation which upon request can be made available to interested agencies after a standard script is completed.

Regarding information distribution, SCAG has developed a fact sheet and published an article in their newsletter FORUM on hazardous waste management, the City of Burbank plans to publish a similar article in their bimonthly newsletter, and the DWP has prepared a brochure addressing the issue of hazardous waste disposal.

M. Gensemer reviewed the practices of other agencies outside of Los Angeles County that address the problems of handling small quantities of hazardous waste generated in residential areas. The findings of these studies could eventually be applied to the San Fernando Valley area. The Bureau of Sanitation was asked to determine and make available a call-in number for residential customers with information on how to dispose of hazardous waste materials.

A forum was proposed to encourage the sharing of ideas and experiences among agencies relating to the disposal sub-storage of hazardous wastes. Since the Los Angeles County Health Department has scheduled a forum for sometime in November, the subcommittee suggested to the Committee that another forum be held in the spring (tentatively April, 1985) when results of various studies will be available.

Regulation of Private Disposal Systems - Robert Van Ark

The current status of the City's regulation of private disposal systems was summarized. An ordinance to have the owners

of private disposal systems in the industrial/commercial areas connected to the public sewer systems may be effective by January 1985. Design of the first project in the San Fernando Valley is 75% complete. A total of 20 projects are planned over the next three years. Completion of all projects is estimated at 5 years. Since the connection of private disposal systems to the public sewers creates a considerable amount of cost to the owners, SCAG was asked and agreed to coordinate with the Bureau of Sanitation to educate this group on the need for sewer hook-up.

R. Navarro, representing the City of San Fernando, estimated that 2% of their industrial area especially around the airport still need to be sewerred.

Augumented Enforcement Program - James King

J. King reported that a slide presentation on the history of the groundwater study and the small quantity generators of hazardous waste materials was given by T. W. Gibson before the subcommittee. The initial results of the small quantity hazardous waste generator survey were reviewed, although it was emphasized that these results were very preliminary.

The County was asked to report on the progress of their hazardous waste study program. Since a status report was unavailable, L. McReynolds requested a report by the next ICC meeting.

Regulation of Storage Tanks, Pipelines Sumps - Carl Sjoberg

The following bills will have impacts on the protection of groundwater quality:

1. SB 2193 on groundwater protection
2. AB 3447 on hazardous waste disposal
3. AB 3781 on underground storage tank monitoring

C. Sjoberg reported that as of September 17, all proposed underground tanks in LA County must have provisions for secondary containment before permits will be issued.

The Shear bill has been approved and the LA County guidelines regarding underground tanks, pipelines and sumps will be available by next week. The LA City guidelines on underground storage facilities will follow a week later. Concern was expressed about the ambiguity in the state regulation on underground storage tank that requires monitoring wells in an unconfined aquifer to be 200 feet deep or at groundwater level.

When a leak is detected in an underground storage tank, the County will inform the Water Resources Board to evaluate the impact. The Water Resources Board guidelines on regulations for underground tanks is still pending. At this time no agency has taken the lead on enforcement.

Small Quantity Hazardous Waste Program - Miriam Gensemer,
Reva Fabrikant

A study conducted by the SCS engineers and the Bureau of Sanitation identified approximately 1000 firms dealing with small quantities of hazardous wastes. The results at this time are considered very preliminary. R. Fabrikant of the Bureau of Sanitation reported on their survey in the North Hollywood area. The results indicated about 30% of the industries are generating hazardous wastes. As much as 20% of the industries surveyed had either moved or were out of business and were thus classified as non-generators. There appeared to be a general lack of knowledge on the safe handling of hazardous materials by the industries surveyed.

A small quantity generator survey form (A&B) which was used for the study was distributed at the meeting (Attachment 2). Some of the preliminary findings of the study revealed that:

1. amounts of waste generated varied from 0-15 gal/mo.
2. wastes were mostly stored in 55 gallon drums
3. some wastes are kept on-site for 3-5 years
4. neutralization was the usual type of on-site treatment

Regulation of Landfills and Groundwater Monitoring Programs -
Robert Haw (representing Mel Blevins)

Proposed Strathern Landfill

The status of monitoring wells in the vicinity of landfills was reviewed. During the drilling operation of a monitoring well in the Strathern Landfill, dichloroethylene was discovered in the water samples. As a result, three additional monitoring wells in this landfill will be drilled.

Sheldon-Arleta Landfill

The drilling operation of four monitoring wells has been completed. Two dry monitoring wells were drilled near the Tujunga spreading grounds to monitor any possible migration of water from the spreading ground to the landfill.

Hewlitt Landfill

Three wells are scheduled for monitoring near the Hewlitt landfill. If the quality of water from these monitoring wells shows no signs of contamination, the DWP will drill as many as 20 production wells in the area. A schematic map showing the location of observation wells was distributed (Attachment 3).

Groundwater Monitoring Plan for Organic Chemicals (AB1803)

Regarding the groundwater monitoring program, A. Karimi of the DWP Water Quality Division reviewed the status of a plan prepared for the monitoring of groundwater in the San Fernando Basin for organic chemicals. In this plan 24 wells selected for the monitoring program will be analyzed for VOA, Base/Neutral, Acid extractables and pesticides contamination.

Aquifer and Groundwater Management - Laurent McReynolds

The status of the aeration tower for the treatment of volatile organics of groundwater in the San Fernando Valley was reviewed. A permit has been obtained from the South Coast AQMD to operate the unit. An alternative to the aeration tower is an ozone-ultraviolet combination treatment known as TOXOX which eliminates the air pollution problem by oxidizing the organic contaminants while in solution. The treatment process can also be applied to the air being stripped from an aeration tower to destroy the TCE. The DWP Water Quality Division is evaluating the possibility of utilizing this process for groundwater treatment or to treat the stripped air from an aeration tower.

The next meeting is scheduled for Tuesday, November 20, 1984 at 9:30 AM. The Committee will meet in Room 1547 of the Los Angeles Department of Water and Power's General Office Building.

ATTACHMENT 1

Interagency Coordinating Committee Meeting of September 18, 1984

ATTENDANCE LIST

<u>Name</u>	<u>Representing</u>	<u>Telephone</u>
Laurent McReynolds	LADWP	481-3142
Tom Gibson	LADWP	481-3163
Robert Haw	LADWP and Watermaster	481-6857
Ali Karimi	LADWP	481-3170
Ken Kasner	LADWP	481-3147
Jim King	LADWP	481-3171
Tom Reeves	LADWP	481-4706
Carl Spangenberg	LADWP	481-3166
Melinda Thun	LADWP	481-3172
Reva Fabrikant	LA City, Bureau of Sanitation	485-5347
Richard Julio	LA City, Bureau of Engineering	485-3016
Sheila Molyneux	LA City, Bureau of Sanitation	485-5347
Carl Tripp	LA City, Bureau of Sanitation	485-5886
Robert Van Ark	LA City, Bureau of Engineering (818)	989-8428
Larry Shipp	LAFD	485-5977
John McElroy	LA County Flood Control District	226-4386
Jose Ochoa	LA County Health Services	774-3235
Carl Sjoberg	LA County Engineers	-
Tom Brady	LA City Mayor's Office	485-6330
Steve Meyerhofer	City of Glendale (818)	956-2137
John MacDougall	Burbank Public Service Dept. (818)	953-9647
Rick Navarro	City of San Fernando (818)	365-2541
Raymond Marsden	CVCWD (818)	248-3925
John Ivascyn	MWDSC	250-6000
Miriam Gensemer	SCAG	739-6761
Larry Peterson	Calif. Dept. of Health Services	620-2380

ATTACHMENT 2

Number: _____

SMALL QUANTITY GENERATOR SURVEY

SECTION A

PART I

INSTRUCTIONS: Please complete the following questions.

1. Company Name: _____
2. Company Address: _____
3. Company Phone: _____
4. Company Manager: _____
5. Type of Business (Circle One Number):
Manufacturing.....1
Non-manufacturing.....2
6. SIC Code (if known): _____
7. Type of product made or service provided by your facility: _____
8. Number of employees (w/o office staff): _____
9. Who do we contact for questions concerning hazardous waste management? _____

PART II: GENERAL DESCRIPTION OF *HAZARDOUS WASTES GENERATED

*(See Attachment 1 for a list of hazardous wastes)

INSTRUCTIONS: Please answer all questions by circling the appropriate number.

10. Which of the following terms best describes the character of your company's hazardous waste?
 - A. Describe the composition of your wastestream:
Homogeneous (uniform composition).....1
Heterogenous (mixed composition).....2
Varied (unpredictable composition).....3
 - B. How often does your facility generate hazardous waste?
Constantly (continually occurring, invariable).....1
Periodically (occurring at regular intervals).....2
Occasionally (from time to time).....3
Infrequently (seldom happens, occurs at wide time intervals).....4
11. Please estimate the total cost of hazardous waste management on a monthly basis:
\$01
\$1-50.....2
\$50-100.....3
\$100-150.....4
\$150-200.....5
greater than \$200.....6

12. Approximately what percent of the company's yearly budget is spent on hazardous waste management?
- | | |
|------------------------|---|
| 0% | 1 |
| 0-5% | 2 |
| 5-10% | 3 |
| greater than 10% | 4 |

PART III: OPINION QUESTIONS

INSTRUCTIONS: Please answer all questions by circling the appropriate number, unless otherwise instructed.

13. In order to defer possible penalties, what is the maximum amount of money (per month) your business can afford to spend on hazardous waste disposal?
- | | |
|--------------------------|---|
| \$0 - 50 | 1 |
| \$50-100 | 2 |
| \$100-150 | 3 |
| \$150-200 | 4 |
| \$200-250 | 5 |
| greater than \$250 | 6 |
14. If the City of Los Angeles were to provide businesses such as yours with a hazardous waste collection service, which of the following types of services would you prefer?
- | | |
|---------------------------------|---|
| On call pick-up service | 1 |
| Scheduled pick-up service | 2 |
15. If a collection service were provided:
- A. Estimate which collection frequency would best fit your needs:
- | | |
|--------------------------|---|
| Daily | 1 |
| Weekly | 2 |
| Monthly | 3 |
| Every other month | 4 |
| Every four months | 5 |
| Every three months | 6 |
| Twice a year | 7 |
| Once a year | 8 |
| Other | 9 |
- If "other" please specify: _____
- B. Would you prefer to buy or rent a storage container from the collection service, or use your own?
- | | |
|-----------------------------------|---|
| Provide own container | 1 |
| Buy container from service | 2 |
| Rent container from service | 3 |
16. Please estimate the volume (gallons per month) of hazardous wastes that would be available for collection:
- | | |
|------------------------|---|
| 0-10 gal/mo | 1 |
| 10-25 gal/mo | 2 |
| 25-50 gal/mo | 3 |
| 50-100 gal/mo | 4 |
| 100-150 gal/mo | 5 |
| 150-250 gal/mo | 6 |
| greater than 250 | 7 |

17. Are you acquainted with the state regulations that guide the treatment, storage, transportaiton and disposal of hazardous waste?

- Yes1
- No2
- Somewhat.....3

18. Would you use a free consulting service designed to help you handle hazardous waste management problems?

- A. Yes.....1
- No.....2
- Maybe.....3

IF YOU ANSWERED "YES" OR "MAYBE" PLEASE CONTINUE WITH PARTS B AND C. IF NOT, STOP HERE. YOU HAVE COMPLETED SECTION A.

B. What type of agency would you prefer to provide this service?

- Public agency.....1
- Private agency.....2
- Doesn't matter.....3

C. Which of the following activities would you be interested in using or attending?

CIRCLE A MAXIMUM OF THREE NUMBERS:

- Hazardous waste information hotline.....1
- Workshops.....2
- Personal visits (at your sites, your request).....3
- Hazardous waste mobile (drives around your area bringing written information and an expert).....4
- General newsletter with update of legislation relevant to small generators.....5

THANK YOU FOR YOUR HELP AND TIME.

ATTACHMENT 2 (cont'd)
LIST OF HAZARDOUS CHEMICALS

<u>Chemical</u>	<u>Number</u>
<u>Acids</u>	10
Mineral acids (nitric, hydrochloric, sulfuric)	11
Organic acids	12
Hydrofluoric acid	13
Other	14
<u>Caustics</u>	20
Soda ash, lime	21
Sodium hydroxide, lye	22
Other	23
<u>Chlorinated Solvents</u>	30
Freons	31
Carbon tetrachloride, chloroform	32
Tetrachloroethylene, perchloroethylene	33
Trichloroethylene	34
Methylene chloride, paint stripper	36
Other	37
<u>Other Solvents</u>	
Alcohol, methanol, ethanol, isopropanol, ethylene glycol	41
Cellosolve, cellosolve acetate, butylcellosolve, glycol ether, ethers, esters	42
Hexane	43
Kerosene	44
Ketones, acetone, MEK, MIBK	45
Petroleum distillate, petroleum ether, petroleum naphtha, stoddard solvent, mineral spirits	46
Benzene, toluene, xylene, aromatic solvents	47
Other	48
<u>Waste Oils/Petroleum Products</u>	50
Cutting oils	51
Soluble cutting oils	52
Gasoline	53
Crankcase oil, lube oil	54
Hydraulic fluids	55
Other	56

ATTACHMENT 1 (continued)

Inorganic Chemicals

60

Antimony compounds, arsenic compounds

61

Beryllium

62

Chromium(chromate) compounds and solutions

63

Copper compounds and solutions

64

Cyanide compounds and solutions

65

Lead compounds, leaded paints

66

Nickel compounds and solutions

67

Zinc compounds and solutions

68

Other

69

Pesticides

70

Chlorinated hydrocarbons, chlordane, DDT, 2-4-D, EDB

71

Fungicides, algacides

72

Herbicides

73

Pesticides, Insecticides

74

Other

75

Other

80

Paints, laquers, varnishes

81

Pentachlorophenol, wood preservative,
chlorinated phenols

82

Phenols, dimethyl phenol

83

Photographic processing chemicals

84

Mixed sludge

85

Other

86

ATTACHMENT 2 (CONT'D)

Number: _____

SECTION B

19. Interview date: _____
 20. Interviewer: _____
 21. Company representative: (A) _____
 (B) Title: _____

PART IV: SPECIFIC WASTE COMPONENTS-TREATMENT, STORAGE AND DISPOSAL

INSTRUCTIONS: Circle the appropriate number unless otherwise instructed.

22. Identify the general category (or categories, if mixed) of waste from the following list:
- | | |
|------------------------------------|---|
| Acids..... | 1 |
| Caustics..... | 2 |
| Chlorinated solvents..... | 3 |
| Other solvents..... | 4 |
| Waste oils/Petroleum products..... | 5 |
| Inorganic chemicals..... | 6 |
| Pesticides..... | 7 |
| Other..... | 8 |
23. Identify the specific components of this waste from the list in Attachment 1. Fill in the blanks:
 Chemical Type: (A) Name: _____
 (B) Number(s): _____
24. What is the physical state of this waste?
- | | |
|-------------|---|
| Liquid..... | 1 |
| Solid..... | 2 |
| Sludge..... | 3 |
25. Estimate the quantity (gallons) of this waste generated on a monthly basis?
- | | |
|------------------------------|---|
| 0-10 gal/mo..... | 1 |
| 10-25 gal/mo..... | 2 |
| 25-50 gal/mo..... | 3 |
| 50-100 gal/mo..... | 4 |
| 100-150 gal/mo..... | 5 |
| 150-200 gal/mo..... | 6 |
| 200-250 gal/mo..... | 7 |
| greater than 250 gal/mo..... | 8 |
26. Waste Storage:
 Circle one number in each category
- A. What method is used to store this waste?
- | | |
|------------------------------|---|
| Mixed with other wastes..... | 1 |
| Not mixed..... | 2 |
- B. What type of container is used to store this waste?
- | | |
|-------------------------|---|
| Above ground tanks..... | 1 |
| Underground tanks..... | 2 |
- (continued next page)

Sumps.....	3
Metal drums.....	4
Bulk containers (e.g. dumpsters).....	5
Garbage cans or pails.....	6
Lab packs.....	7
Other.....	8
If "Other", please specify: _____	

- C. Where is this waste stored?
- | | |
|------------------------------|---|
| Inside..... | 1 |
| Outside, covered area..... | 2 |
| Outside, uncovered area..... | 3 |
- D. On what type of surface is this waste stored?
- | | |
|---------------|---|
| Asphalt..... | 1 |
| Concrete..... | 2 |
| Dirt..... | 3 |

27. Waste Treatment:

- A. Is this waste treated on your premises prior to disposal?
- | | |
|----------|---|
| Yes..... | 1 |
| No..... | 2 |

If "Yes", then complete parts B and C. If "No", then skip to question 28.

- B. What type of treatment method is used?
- | | |
|---------------------------------------|---|
| Sedimentation/clarification..... | 1 |
| Oil/water separation..... | 2 |
| Neutralization..... | 3 |
| Other chemical treatment..... | 4 |
| Recycled/reused on your premises..... | 5 |
| Incineration..... | 6 |
| Other..... | 7 |

If "Other", please specify: _____

- C. How often is this waste treated?
- | | |
|-------------------------|---|
| Daily..... | 1 |
| Weekly..... | 2 |
| Monthly..... | 3 |
| Every other month..... | 4 |
| Every four months..... | 5 |
| Every three months..... | 6 |
| Twice a year..... | 7 |
| Once a year..... | 8 |

28. Waste Disposal Method:

If this waste is disposed on your premises then answer only Part A. If this waste is disposed off your premises then answer Parts B, C, D, and E.

On Site:

- A. If this waste is disposed on your premises, what disposal method is used?
- | | |
|--|---|
| Discharge to sanitary sewer after treatment..... | 1 |
| Discharge to sanitary sewer w/o treatment..... | 2 |
| Private septic tank or sump..... | 3 |
| Discharge to storm drain..... | 4 |
- (continued next page)

- Discharge to gravel-filled pit.....5
 - Discharged on or buried in soil.....6
 - Evaporation.....7
 - Other.....8
- If "Other", please specify: _____

Off-Site:

- B. If this waste is disposed off your premises, what type of transportation do you use?
- Private waste hauler-on call.....1
 - Private waste hauler-scheduled pick-up.....2
 - Recycler/reclaimer.....3
 - Public refuse collection service.....4
 - Your own vehicle (self-haul).....5
 - Trade association service.....6
 - Other.....7
- If "Other", please specify: _____

- C. Is your waste hauler registered with SDOHS?
- Yes.....1
 - No.....2
 - Don't know.....3
- D. If this waste is disposed off your premises, do you fill out a hazardous waste manifest?
- Yes.....1
 - No.....2
- E. If the waste is disposed off your premises, please indicate the disposal method:
- Hazardous waste landfill (Class I).....1
 - Sanitary landfill.....2
 - Solvent reclamation company.....3
 - Oil reclamation company.....4
 - Incineration.....5
 - Waste exchange.....6
 - Transfer station.....7
 - Don't know how wastes are disposed.....8
 - Other.....9
- If "Other", please specify: _____

29. How frequently are these wastes disposed?
- Daily.....1
 - Weekly.....2
 - Monthly.....3
 - Every other month.....4
 - Four times a year.....5
 - Three times a year.....6
 - Twice a year.....7
 - Once a year.....8

ATTACHMENT 3
LOCATIONS OF OBSERVATION WELL SITES
IN THE EAST SAN FERNANDO VALLEY

TUJUNGA
SPREADING
GROUNDS

SHELDON - ARLETA
LANDFILL

PENROSE
LANDFILL

PROPOSED
STRATHERN
LANDFILL

SITE NO. 2

HEWITT
LANDFILL

SITE
NO. 3

SITE
NO. 1

NORTH HOLLYWOOD
PUMPING PLANT

VANOWEN ST.

N

0 2000
FEET

OXNARD ST.